



# PATRICK LEDUC

COMPUTER SCIENCE STUDENT AND  
TECH HOBBYIST

## PROFILE

Has a curious mind that is always looking for the latest technology to discover. Works autonomously, is organized and communicates clearly with teams and supervisors to achieve common goals. Self taught with various technologies inside and outside the classroom.

## SKILLS

- JavaScript(React, jQuery)
- Python
- Java
- C++
- HTML/CSS
- Docker/Kubernetes
- Git/Github

## PROJECTS

### Lab Finder

Web application developed for CAE Inc. to recommend the best lab for a simulator issue. Frontend written with jQuery, Bootstrap backend written in PHP connected to a MySQL database.

### Raspberry Pi k3s Cluster

A 4 Pi lightweight Kubernetes Cluster built to host my personal Web Applications. Inspired from r/homelab, a community for techies and sysadmins to share their projects.

### Personal Website

Personal website built with React and Node deployed on the Cloud in a Docker container.

### Risk(in progress)

Building a console application version of the game Risk in C++ with Visual Studio. Collaborating with teammates to complete the project.

### E-Commerce Web Application(in progress)

Building a functional E-Commerce web application with a team of 10 students. Technology used: React, Node. Writing various reports explaining technology and design choices.

## WORK EXPERIENCE

### Intern, Avionics Systems Specialist

CAE INC., MONTREAL (MAY - AUGUST 2019)

- Developed and released an internal Web Application to assist Engineers
- Retrieved missing information for a database with web scraping, extracted keywords with regular expressions and organized the new database for future use
- Worked with supervisor, mentor and other interns to decide design choices and ensure best practices, scrum meetings twice a week

### Piper with the Black Watch (RHR) of Canada (Pte)

CANADIAN ARMED FORCES RESERVES, MONTREAL  
(SEPTEMBER 2016 - PRESENT)

- Completed the Basic Military Qualification of the Canadian Armed Forces
- Learned how to deal with stressful situations, and extreme attention to detail
- Play in a military band which requires skill, teamwork and ensemble

### Marketing and Communications Assistant

WEST ISLAND COMMUNITY SHARES, MONTREAL  
(MAY-SEPTEMBER 2018)

- Automated social media accounts and wrote various proposals resulting in large corporate donations over \$50,000
- Provided IT support, taught employees how to use different software
- Worked in a small team, to interview and collect information about different charities

## EDUCATION

-Concordia University, Bachelor of Computer Science

(Graduating December 2020)

-John Abbott College, DEC in Commerce

-Loyola High School

## CONTACT INFORMATION

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